



CEN-EAST



CEN-EAST - Reformation of the Curricula on Built Environment in the Eastern Neighbouring Area
DOCSMES - Regional Joint Doctoral Programme in Entrepreneurship and SME Management for Western Balkan Countries
CHTMBAL - Network for Post Graduate masters in Cultural Heritage and Tourism Management in Balkan Countries

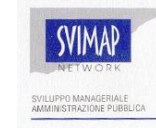
TEMPUS PROJECTS IN TRANSITION COUNTRIES Challenges and opportunities.

10-12 December 2012
University of Bologna
Department of Management

WORK

Prof. Massimo Bianchi

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CEN EAST PARTNERS

Organization Name	Country
Vilnius Gediminas Technical University	Lithuania
University of Bologna	Italy
University of Salford	United Kingdom
Tallinn University of Technology	Estonia
Belarusian State Technological University	Belarusia
Yanka Kupala State University of Grodno	Belarusia
Moscow State University of Civil Engineering	Russia
Saint-Petersburg State polytechnical University	Russia
Kaliningrad State Technical University	Russia
Moscow State Industrial University	Russia
National Technical University of Ukraine	Ukraine
National Technical University "Kharkiv Polytechnic Institute"	Ukraine
SVIMAP Network	Italy
Association "INFOBALT"	Lithuania



Meetings Topics

- **Partners individual presentation**
- **Project content**
- **Project Methodology**
- **New Project Opportunities in UE**



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Work packages and contributions to the project

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Work packages and contributions to the project

<p>VGTU Vilnius Gedeminas Technical University Arturas Kaklauskas</p>	<p>The role of the VGTU during the project will concentrate around development, financial, administrative, management and other tasks. VGTU will lead the WP1 (Management), WP3 (Development of the Virtual Interuniversity Networked Educational Centre) with P3, WP4 (Monitoring and Reporting of Results) with P9 and will make direct contributions to WP2 and WP5. In addition, VGTU will also contribute to a range of other activities led by other partners as detailed in the work package sections. Further, VGTU will actively participate in VINECE Management, discussions, workshops, and other project activities.</p>
<p>UNIBO University of Bologna Massimo Bianchi</p>	<p>Thus UNIBO can give a contribution to the project realization with sustainable built environment development training courses and modules and in the analysis of curricula in this field. It will be also involved in teaching activities, conducting doctoral seminars and supervising students during the program. In addition, UNIBO will also contribute to a range of other activities led by other partners as detailed in the all work package sections.</p>
<p>USAL Salford University Amaratinga Dilanthi</p>	<p>USAL will lead together with MSUCE (P7) the WP2 and will make direct contributions to WP3. USAL will conduct the actions detailed in WP2 within the United Kingdom and produce the identified outputs in English Language, which will be translated into the Russian language as a part of wider dissemination. USAL has a sound track record of research leading to capacity enhancements in HEIs. The main outcomes of WP2 will enhance BSc, MSc, PhD and specialised programme specifications and module specifications and teaching / learning material. USAL will also contribute to the development of the virtual centre owing to its expertise in virtual environment research and web application development, as part of WP3. In addition, USAL will also contribute to a range of other activities led by other partners as detailed in the work package sections. Further, USAL will actively participate in VINECE Management, discussions, workshops, and other project activities.</p>

<p>TTU Tallin University of Technology Irene Lill</p>	<p>Department of Building Production is willing to participate in joint curriculum development, creating the virtual interuniversity network and in dissemination of the project outcomes. We look forward to playing our part in the success of this project and create a virtual learning and research environment corresponding to the needs of construction industry, students and academic staff. This project is in line with the strategic aim of TUT which is to provide educational, research and innovation services in the fields of engineering and entrepreneurship, which are internationally competitive and significant for Estonia's sustained development.</p> <p>We will actively participate in VINECE Management, discussions, prepare modules and proposals. Department will be the leader of WP5 in cooperation with BSTU (P5). TUT will give a contribution to the project with knowledge transfer, modules upgrade for multilingual environment, teaching and supervising activities.</p>
<p>BSTU Belarusian State Technological University Nikolai Siniak</p>	<p>BSTU will lead the WP5 (Dissemination events) with TUT (P4). BSTU will have a particular responsibility in the upgrading of BSc/specialists, MSc, PhD and degree programs, monitoring and reporting process led by other partners as detailed in the work package sections. Further, BSTU will actively participate in VINECE Management, discussions, workshops, and other project activities. BSTU will participate in the project sustainability process.</p>
<p>YKSUG Yanka Kupala State University of Grodno Irina Ledchenkova</p>	<p>YKSUG will participate in the upgrading of BSc/ specialists, MSc, PhD and degree programs, monitoring, reporting and dissemination process led by other partners as detailed in the work package sections. Further, YKSUG will actively participate in VINECE Management, discussions, workshops, and other project activities. YKSUG will participate in the project sustainability process.</p>





<p>MSUCE Moscow State University of Civil Engineering Olga Lyapidevskaya</p>	<p>MSUCE will lead the WP2 (Upgrading of BSc, MSc, PhD and specialists' degree programs) with USAL (P3). MSUCE will have a particular responsibility in the upgrading of BSc/specialists, MSc, PhD and degree programs, monitoring and reporting process led by other partners as detailed in the work package sections. Further, MSUCE will actively participate in VINECE Management, discussions, workshops, and other project activities. MSUCE will participate in the project sustainability process. Besides, MSUCE will delegate its young and talented lecturers and staff to the EU to take “refresher courses” both in methodology and in professional issues. Moreover, our University is going to join the virtual library project to make the resources of varied network libraries available to the students, postgraduates and lecturers of MSUCE. Our goal is a synergy of our contributions and new educational technologies provided by the leading universities and educational centers of Europe.</p>
<p>SPSPU Saint-Petersburg State Polytechnical University Vyacheslav Potekhin</p>	<p>SPbSTU will have a particular responsibility in the upgrading of BSc/specialists, MSc, PhD and degree programs, monitoring and reporting process led by other partners as detailed in the work package sections. Also SPbSTU will play extraordinary role in the development of Virtual interuniversity networked educational system (intelligent library, intelligent tutoring system, intelligent knowledge assessment system, access to the e-sources of the research and educational information in the universities of the participating countries. Further, SPbSTU will actively participate in VINECE Management, discussions, workshops, and other project activities. SPbSTU will participate in the project sustainability process. Also SPbSPU will realize Academic exchange of students and academic staff (including doctors and professors) to improve the effectiveness of joint educational activities in the field of ecology and environment.</p>

<p>KSTU Kaliningrad State Technical University Valeriy Beley</p>	<p>KSTU will lead the WP4 (Monitoring and Reporting of Results) together with VGTU (P1). KSTU will participate in the upgrading of BSc/specialists, MSc, PhD and degree programs and dissemination process led by other partners as detailed in the work package sections. Further, KSTU will actively participate in VINECE Management, discussions, workshops, and other project activities. KSTU will have an especial responsibility in the project sustainability process. Also SPbSTU will play extraordinary role in the development of Virtual interuniversity networked educational system. Also KSTU will realize exchange of students and academic staff to improve the effectiveness of joint educational activities. The aims of our participation in the project are experience exchange and improving of education quality level with help of educational programs technically proven in the leading HEIs of EU.</p>
<p>VSU Voronezh State University Semion Kurolap</p>	<p>VSU will participate in the upgrading of BSc/specialists, MSc, PhD and degree programs and dissemination process led by other partners as detailed in the work package sections. Further, VSU will actively participate in VINECE Management, discussions, workshops, and other project activities. Also VSU will realize academic exchange of students and academic staff (including doctors and professors) to improve the effectiveness of joint educational activities in ecology and environmental sciences</p>
<p>NTUU "KPI" National Technical University of Ukraine Angela Piatova</p>	<p>NTUU will play extraordinary role in the development of Virtual interuniversity networked educational system (intelligent library, intelligent tutoring system, intelligent knowledge assessment system, access to the e-sources of the research and educational information in the universities of the participating countries, etc.). NTUU will participate in the upgrading of BSc/specialists, MSc, PhD and degree programs and dissemination process led by other partners as detailed in the work package sections. Further, NTUU will actively participate in VINECE Management, discussions, workshops, and other project activities.</p>



<p>NTU “KhPI” National Technical University "Kharkiv Polytechnic Institute" Valeriy Kravets</p>	<p>. NTU “KhPI” has a long-term experience in e-Learning and required IT base. NTU "KhPI” will take part in all academic activities, conferences and meetings as well as in activities connected with quality control and monitoring, dissemination, sustainability and management. It will also take active part in the development of the project modules, common framework for the curricula and common philosophy for an integrated sustainable design of built environment.</p>
<p>SVIMAP SVIMAP Network Renato Mele</p>	<p>SVIMAP can intervene as supporter in the following activities: Individuation and structuring of curricula and ECTS; Training courses for Academic and Administrative staff; Support University structures in evaluation processes of educational programs; publishing of leaflets, bulletins and promotional materials.</p>
<p>IPA International Property Association Ekaterina Kostina</p>	<p>The main purpose of IPA are to raise standards of professionalism in the international real estate market, developing and improving international cooperation, enhancing the transparency of real estate market by forming a global real estate market. Because organisation holds a lot of exhibitions, conferences, seminars it is suitable for realization of dissemination activities.</p>
<p>IBA International Builders Association Valeriy Seroiv</p>	<p>The aim of IBA is aggregation of capacity of its members in the preparation and implementation of general construction projects. Since the organization brings together a number of construction companies, they can help to project dissemination and in developing virtual interuniversity networked education centre in Build Environment.</p>
<p>INFOBALT Association "INFOBALT" Edmundas Zvirblis</p>	<p>"INFOBALT" will focus their professional knowledge in the relevant built environment spheres, also they have the experience in outreach activities related to the built environment issues, and are willing to share their knowledge in the disciplinary sphere and provide stronger linkages between education and the labor market.</p>





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**THE PROJECT UNIBO
CONTENT**



Wider Objective

To upgrade the curricula on built environment in the universities of BY, RU and UA according to Bologna practices in order to increase their capacity to continually modernise, enhance the quality and relevance of education of the building and civil eng. students to the labour market needs and to ensure international cooperation



Specific Project Objectives

- To upgrade curricula of BSc/specialists, MSc and PhD programmes with modules on energetically and ecologically sustainable, affordable and healthy built environment in PC universities in order to enhance quality and relevance of education to labour market needs;
- To transfer the Bologna practices in education (curriculum development, ECTS, innovative learning, etc.) from EU universities to PC universities;
- To develop a virtual interuniversity networked educational system (intelligent library, intelligent tutoring system, intelligent knowledge assessment system, access to the e-sources) in order to ensure cooperation among the EU and PC universities in education and research;
- To assist the competence development of staff within the PC universities.
- To train at least 240 students during the pilot project.



Reformation of the Curricula on Built Environment in the Eastern Neighbouring Area

First Operative Steps (A proposal)

- Kick Off Meeting
- Virtual network establishment (Projects)
- Survey
- Seminars
- Reformation Proposals
- Dissemination



The Workplan

	1	2	3	4	5	6	7	8	9	10	11	12
1.1. Development of communication infrastructure	O	X	O	X	O	X						
1.2. Continual management and reporting				O	X	O	X	O	X	O	X	O
1.3. Three management meetings: Kick-off, Mid term assessment and End review	O											
2.1. Framework of the BSc/specialists, MSc and PhD modules based on market needs. Upgrade of BSc/specialist, BSc and PhD degree programs. Education, lecturing and guest visits in order to prepare BSc/specialists, MSc and PhD modules.		X	O	X	O	X	O	X	O	X		
2.2. The framework report for the common curricular and common grounds for teaching and learning .								X	O	X	O	X
2.3. Module specifications and teaching material									X	O	X	O
2.4 Training, lecturing and guest visits		X						X				
3.1. Development of virtual interuniversity networked educational system. Report on integration of new technologies of teaching with modules				O	X	O	X	O	X	O	X	O
3.2. Development of the virtual research environment							X	O	X	O	X	O
3.3. Training, lecturing and guest visits				X								
4.1. First Report on monitoring results	X	O	X	O	X	O	X	O	X	O	X	O
4.2. Second Report on monitoring results												
4.3. Analyses and recommendations												
5.1. National dissemination of project results				O	X	O	X	O	X	O	X	O
5.2. International dissemination of project results						O	X	O	X	O	X	O

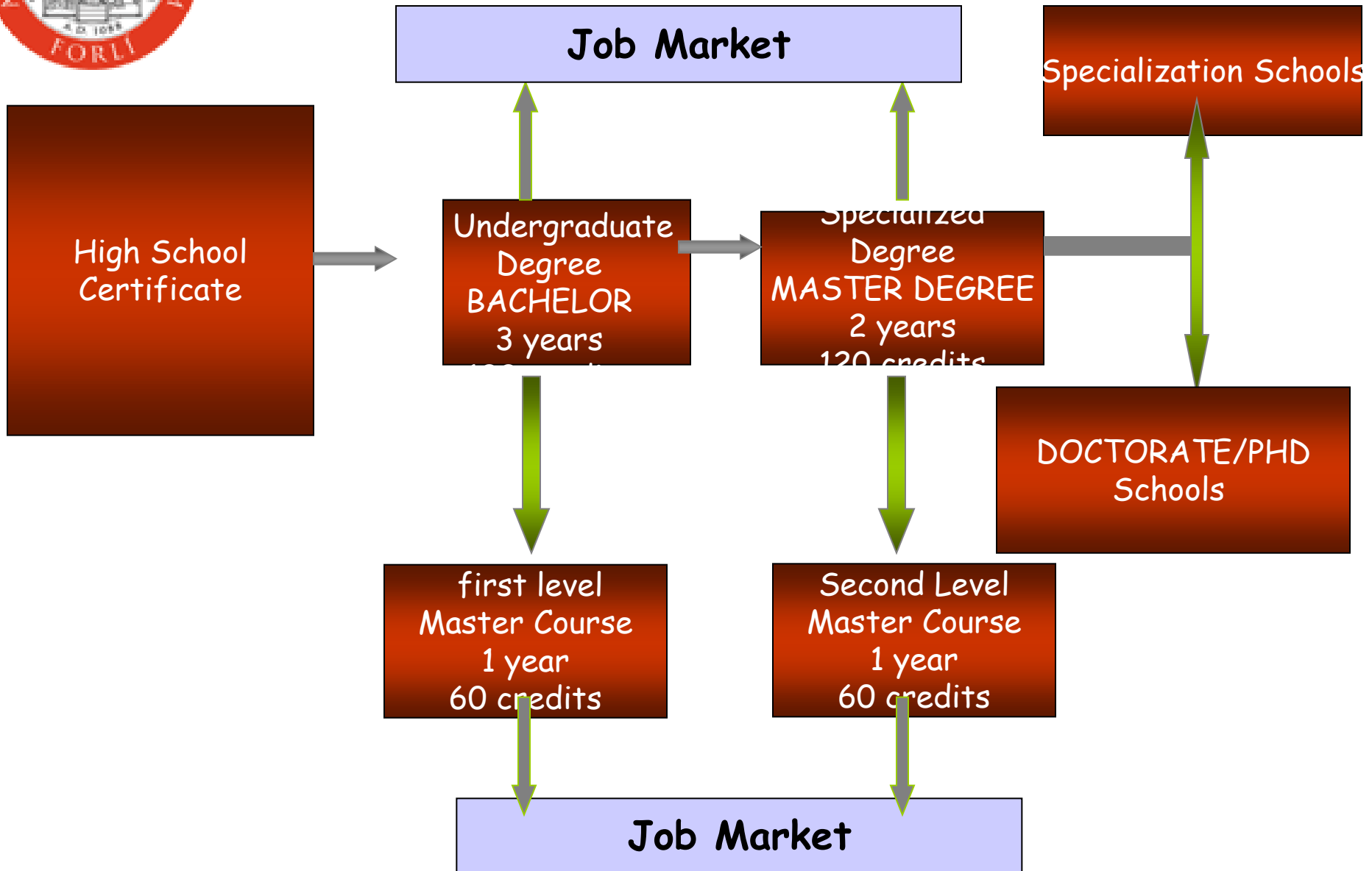


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The Project Methodology



UNIBO Degree Structure



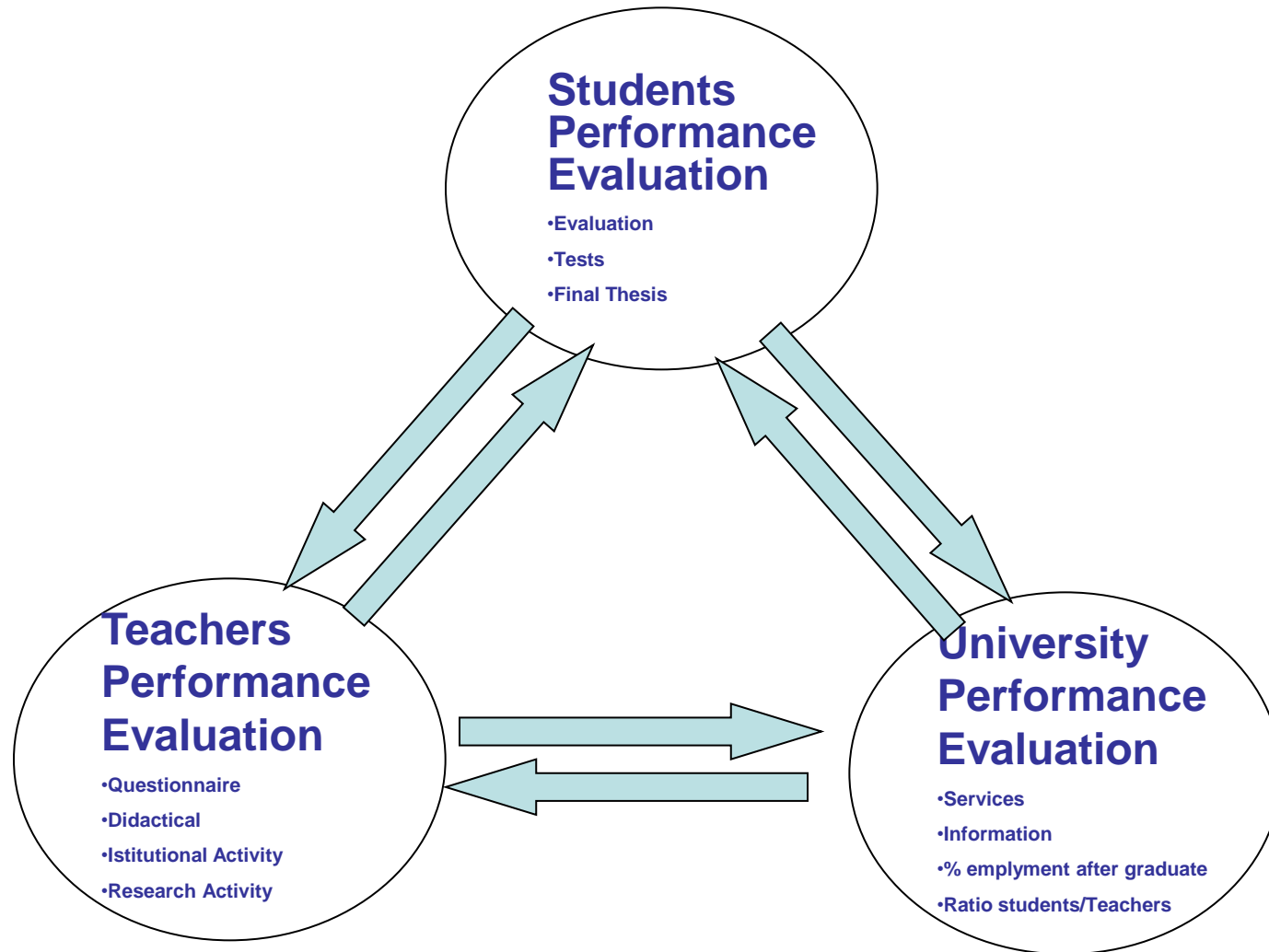


As it concerns the basic structure of ECTS in Master Degrees

		Managerial C	Professional Courses						
ECTS		ECTS		Lecture Hours per ECTS Unit	Lectures	Practical Teaching	Project Work	Individual Study	Global amount
50		50	46	6	300	300	248	800	1660
70		42	26	6	252	252	250	556	1310
	Stage	7	28			350			350
	Final Test	21	20						1660
		120	120						3320
					Managerial C.				
					Lectures	Practical Teaching	Project Work	Individual Study	
Courses		4			25	25	25	14	
		8			50	25	25	14	



Project Outcomes evaluation





Next Calls (1)

Dead L. 31 January 2013

Programme LIFELONG LEARNING

Subprogramme ERASMUS

Action Category MULTILATERAL PROJECTS

Action ERASMUS Multilateral Projects

**Objectives and
description of the
action**

Erasmus multilateral projects provide support for cooperation of higher education institutions among themselves or together with other relevant stakeholders.

Innovative projects focusing on themes not extensively covered by projects already being funded under this action are particularly encouraged.

1. Increasing attainment levels and strengthening the social dimension of higher education:

Actions aiming at increasing access to HEI and improving the social dimension in higher education. The major objectives are the widening of the participation and raising completion rates of underrepresented groups (due to the factors such as socio-economic background, disability, ethnic or migrant background etc.) and non-traditional learners (part-time students, those with demanding family responsibilities, adult learners etc.) enhancing lifelong learning via the creation of flexible learning paths .

2. Improving the quality and relevance of higher education, including through cooperation between HEIs and the labour market:

Activities that help to innovate curricula to current and emerging labour market demands and offer employability and transversal skills including entrepreneurship, developing active cooperation between HEI and partners from outside academia: enterprises, professional organisations, chambers of commerce, social partners, local/regional bodies etc; and that recognise and incentivise the role of excellent teachers in student success.



Next Calls (2)

3. Strengthening quality through mobility and cross-border cooperation:

Activities to develop innovative strategies to boost mobility or ways to remove obstacles to mobility in higher education. Support the virtual mobility that are embedded in a global strategy for the effective integration of ICT in the participating higher education institutions.

4. Knowledge Alliances

Bring together businesses and higher education institutions to strengthen and develop Europe's innovation potential, via the provision of a comprehensive set of joint activities, involving new learning and teaching methods, the design and delivery of new multidisciplinary curricula and innovative courses, and the promotion of entrepreneurial attitudes. These projects should aim at facilitating the sharing of knowledge between higher education and companies and embody a truly two-way process: universities and business joining forces to boost their innovation potential.

5. Improving governance and funding:

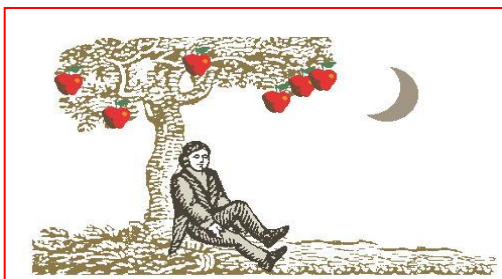
Projects under this priority shall support activities that develop the strategic capacities of higher education institutions and their leaders, enhancing the autonomy and accountability of institutions; and that increase institutions' capacity to draw in funding from diverse sources and manage resources efficiently.

Who can benefit

- Higher education institutions;- Enterprises, in particular SMEs
- Professional organisations - Chambers of commerce - Social partners
- Local/regional/national bodies - Associations and other relevant organisations active in relation to higher education



Newton Knowledge Alliance



“**NEw TO**ols in augmented reality and intelligent systems for **N**etworking education in resilience management“.

NEWTON - “**NEw TO**ols in Augmented Reality and Intelligent Systems for **N**etworking Education in Resilience Management“.

REACT Augmented and virtual **RE**ality to teach and disseminate the networking **ACT**ivity for resilience management in local systems.

Project Summary.

NEWTON is a project aiming to create, test and disseminate in open source new methodologies and didactical tools for the education to the resilience management using virtual and augmented reality.

Resilience management implies a reaction to disaster events in which local governments, stakeholders, enterprises and population react as a system for the reconstruction of social, economic and infrastructural environment after a disaster of human or natural origin.

This implies a holistic approach to the capability of resilience and to increase the sense of initiative of many subjects operating in different fields and with a different levels of responsibility.



Newton Network and Budget

			Proj.Man.	Staff.	Travel	Accom.	Diss.	Direct Co.	Indirect C.	UEGrant	Cofin
1	UNIBO	100000	10000	40000	15000	30000	20000	115000	8050	75000	25000
2	SVIMAP	30000		9000	2000	3000	14500	28500	1500	22500	7500
3	ITALIANCO	20000		5000	5000	6000	3200	19200	1300	15000	5000
4	VG TU	80000	2000	26000	10000	17000	20000	75000	5000	60000	20000
5	LITHASS	30000		9000	4500	6000	4200	23700	1300	22500	7500
6	LITHCO	20000		5000	4500	6000	3200	18700	1309	15000	5000
7	SALFORD U	80000	2000	26000	10000	17000	20000	75000	5000	60000	20000
8	UKASS	20000		5000	4500	6000	3200	18700	1309	15000	5000
9	UKCO	20000		5000	4500	6000	3200	18700	1309	15000	5000
		400000	14000	130000	60000	97000	91500	392500	26077	300000	100000



Other topics for new proposals (Existing draft projects)

- European Big Rivers Governance**
- Low Danube River Governance**
- Recovering Archives of Hystorical Cities**
- Central Asia Universities Quality Assurance**
- Teacher Recruitment Processes to Modernize C.A.Universities**
- New courses in practice management for the support of SMEs start up**